

IN THE CLAIMS

Please replace any previous listing of the claims with the following replacement listing of the claims:

Replacement Listing of the Claims

1. (Canceled)
2. (Previously presented) The method according to claim 14, further comprising:
determining whether said current output is an information type; and
marking said current output as complete, if said current output is said information type.
3. (Previously presented) The method according to claim 14, further comprising:
after the executing step, storing a value of said automatic expression to a destination reference.
4. (Currently amended) A control system that uses sequential control modules, said control system comprising:
a user interface component that provides at least a table view, said table view comprising:
a plurality of outputs of a selected step of at least one of said sequential control modules, wherein said outputs comprise a combination of at least one automatic expression and at least one interactive instruction,
a summary area that provides a name of said sequential control module and a list of steps in said sequential control module, wherein said selected step is selected from said list,
a details area that provides a step name and a step description for said selected step, and

a parameters area that provides a current value of at least one parameter associated with said selected step;

an operator station that executes said user interface component and that responds to at least one input of an operator for said interactive instruction; and

at least one controller that is operated by executing said interactive instruction at least partly in response to said operator input and said automatic expression automatically.

5. (Previously presented) The control system according to claim 4, further comprising:

a journaling component capable of being executing on said operator station for recording information related to the execution of said sequential control module.

6. (Canceled)

7. (Currently amended) The control system according to claim 64, wherein said table view further comprises:

an additional details area for information associated with said selected step.

8. (Currently amended) The control system according to claim 64, wherein said table view further comprises:

a trend area that provides a graph of said at least one parameter associated with said selected step.

9. (Currently amended) The control system according to claim 64, wherein said details area includes a confirmation component to receive a confirmation from said operator.

10. (Previously presented) The control system according to claim 4, wherein said user interface component also provides a sequential function chart view.

11. (Currently amended) A computer readable medium having executable instructions stored thereon to perform a method in a control system that uses sequential control modules, said method comprising:

providing a type indication on a display for an instruction in a sequential control module, said type being confirmable or informational; and

receiving a confirmation from an operator before completing said instruction, if said type is confirmable

at least one of said executable instructions causing an interactive display screen to be presented to an operator that displays:

a plurality of outputs of a selected step of at least one of said sequential control modules, wherein said outputs comprise a combination of both automatic expression and at least one interactive instruction,

a summary area that provides a name of said sequential control module and a list of steps in said sequential control module, wherein said selected step is selected from said list,

a details area that provides a step name and a step description for said selected step, and

a parameters area that provides a current value of at least one parameter associated with said selected step;

at least one of said executable instructions causing a determination of whether a current one of said outputs is an interactive instruction or an automatic expression;

at least one of said executable instructions causing, if said current output is an interactive instruction, a determination of whether said interactive instruction has been confirmed by said operator;

at least one of said executable instructions causing, if said interactive instruction has been confirmed by said operator, a marking said current output complete; and

at least one of said executable instructions causing, if said current output is an automatic expression, at least one controller in said control system to execute said automatic expression.

12. (Previously presented) The computer readable medium according to claim 11, further comprising:

at least one of said executable instructions causing at least one value of a parameter to be associated with at least one of said outputs on said display screen.

13. (Previously presented) The computer readable medium according to claim 11, further comprising:

at least one of said executable instructions causing additional information about said current output to be displayed on said display screen.

14. (Currently amended) A method of providing interactive control in a control system that uses sequential control modules, said method comprising:

presenting an interactive display screen to an operator that displays:

a plurality of outputs of a selected step of at least one of said sequential control modules, wherein said outputs comprise a combination of at least one automatic expression and at least one interactive instruction,

a summary area that provides a name of said sequential control module and a list of steps in said sequential control module, wherein said selected step is selected from said list,

a details area that provides a step name and a step description for said selected step, and

a parameters area that provides a current value of at least one parameter associated with said selected step;

determining whether a current one of said outputs is an interactive instruction or an automatic expression;

if said current output is an interactive instruction, determining whether said interactive instruction has been confirmed by said operator;

if said interactive instruction has been confirmed by said operator, marking said current output complete; and

if said current output is an automatic expression, using at least one controller in said control system to execute said automatic expression.

15. (Currently amended) A control system that uses sequential control modules, said control system comprising:

an operator station that comprises a user interface component that provides a display to an operator and a program that runs on said operator station an interactive procedure to present on said display a table view comprising:

a plurality of outputs of an operator selected step of at least one of said sequential control modules, wherein said outputs comprise a combination of at least one automatic expression and at least one interactive instruction

a summary area that provides a name of said sequential control module and a list of steps in said sequential control module, wherein said selected step is selected from said list,

a details area that provides a step name and a step description for said selected step, and

a parameters area that provides a current value of at least one parameter associated with said selected step; and

a controller that executes said automatic expression automatically and said interactive instruction at least partly in response to one or more inputs of said operator to said operator station.